

What is claimed is:

1           1. A recording apparatus for recording digital  
2 content onto an optical disk, comprising:

3           an accepting unit operable to accept from a user an  
4 indication whether the optical disk is intended for  
5 consumer use or industrial use;

6           an encrypting unit operable to encrypt the digital  
7 content, using a different encryption method depending  
8 on whether the optical disk is intended for consumer use  
9 or industrial use;

10          a first writing unit operable to, when the optical  
11 disk is intended for consumer use, (a) generate a first  
12 area on the optical disk, and (b) write the encrypted  
13 digital content to the first area; and

14          a second writing unit operable to, when the optical  
15 disk is intended for industrial use, (a) generate a first  
16 area and a second area on the optical disk, (b) write the  
17 encrypted digital content to the second area, and (c) write  
18 message data to the first area,

19          wherein the message data indicates that the digital  
20 content cannot be reproduced by a consumer reproduction  
21 apparatus.

1           2. The recording apparatus of Claim 1,

2           wherein the encryption method for consumer use is

3 to encrypt the digital content using a first content key  
4 which is to be encrypted using a disk key unique to the  
5 optical disk, and

6 the encryption method for industrial use is to  
7 encrypt the digital content using a second content key  
8 which is to be encrypted using a device key unique to an  
9 industrial reproduction apparatus.

1 3. The recording apparatus of Claim 1,  
2 wherein the message data includes a plurality of  
3 character strings which are each written in a different  
4 language, and

5 each character string indicates that the digital  
6 content cannot be reproduced by the consumer reproduction  
7 apparatus.

1 4. A recording apparatus for recording digital  
2 content onto an optical disk which has a first entry area  
3 and a second entry area, the first entry area being an  
4 area that is to be first accessed when the optical disk  
5 is loaded to a consumer reproduction apparatus, and the  
6 second entry area being an area that is to be first accessed  
7 when the optical disk is loaded to an industrial  
8 reproduction apparatus, the recording apparatus  
9 comprising:





16 optical disk is intended for industrial use,  
17 wherein the message data indicates that the digital  
18 content cannot be reproduced by the consumer reproduction  
19 apparatus.

1 7. A recording method for recording digital content  
2 onto an optical disk, comprising:

3 an accepting step for accepting from a user an  
4 indication whether the optical disk is intended for  
5 consumer use or industrial use;

6 an encrypting step for encrypting the digital  
7 content, using a different encryption method depending  
8 on whether the optical disk is intended for consumer use  
9 or industrial use;

10 a first writing step for, when the optical disk is  
11 intended for consumer use, (a) generating a first area  
12 on the optical disk, and (b) writing the encrypted digital  
13 content to the first area; and

14 a second writing step for, when the optical disk is  
15 intended for industrial use, (a) generating a first area  
16 and a second area on the optical disk, (b) writing the  
17 encrypted digital content to the second area, and (c)  
18 writing message data to the first area,

19 wherein the message data indicates that the digital  
20 content cannot be reproduced by a consumer reproduction

21 apparatus.

1           8. The recording method of Claim 7,  
2           wherein the encryption method for consumer use is  
3           to encrypt the digital content using a first content key  
4           which is to be encrypted using a disk key unique to the  
5           optical disk, and  
6           the encryption method for industrial use is to  
7           encrypt the digital content using a second content key  
8           which is to be encrypted using a device key unique to an  
9           industrial reproduction apparatus.

1           9. The recording method of Claim 7,  
2           wherein the message data includes a plurality of  
3           character strings which are each written in a different  
4           language, and  
5           each character string indicates that the digital  
6           content cannot be reproduced by the consumer reproduction  
7           apparatus.

1           10. A computer-readable storage medium storing a  
2           computer program for recording digital content onto an  
3           optical disk, the computer program comprising  
4           an accepting step for accepting from a user an  
5           indication whether the optical disk is intended for



8 which is to be encrypted using a device key unique to an  
9 industrial reproduction apparatus.

1 12. The storage medium of Claim 10,  
2 wherein the message data includes a plurality of  
3 character strings which are each written in a different  
4 language, and  
5 each character string indicates that the digital  
6 content cannot be reproduced by the consumer reproduction  
7 apparatus.